10 1 > Yiz 7396 F7 On the sensible genalities of the air. of the effects + of theat - p: 1 - of lots -



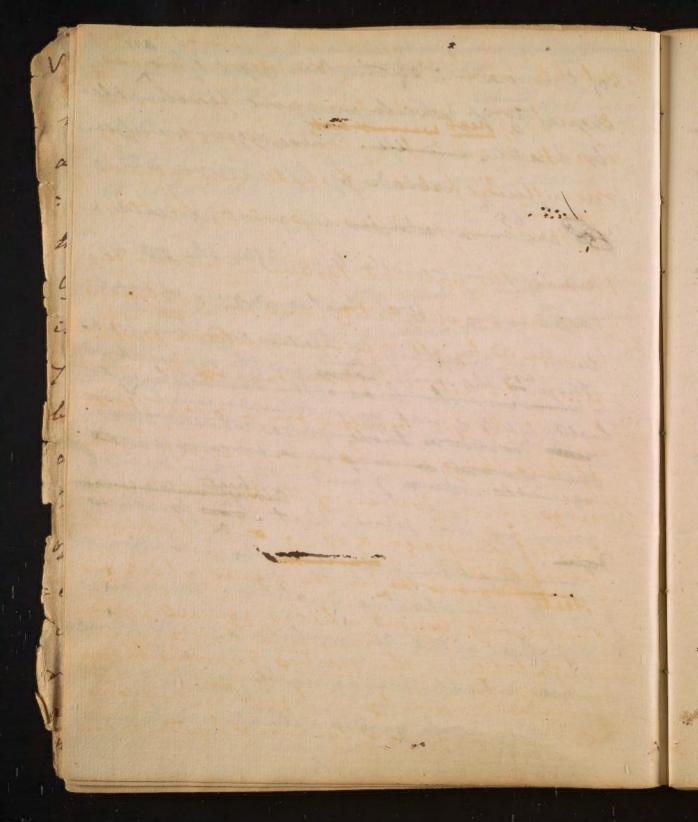
Les proved rest in the brown of our sunote pre-Syllabres to reception texts the various, and a discuse by their causes which induce the discuse by their reperate, musice, or combined action upon the human body. I shall not altempt to point out the precioe action of any of them in inducing the different links in the Chair of Disease, inassurech as they art so differently awarding to this munber, force, and orden and auxiding to the different States of predispositions in the System. as the air we breath is the most builful former of discuse, from it of I shall begin by taking notice of the Lounes of disease from the air. This is a most important betyet, & floreld

Before I enter upon this belignt it will be newpary to mention the limits of what are called heat and Cold as applied to the at: : mosphere. In your ing of their positive effects they enay be divided into hot - waron - temperal cool - and Cold. Hot air excues 96 warm is between 96 and 75° temperate, between 75 and 65 - cool between 85 and 32. cold below 32 or the fruity point. These divisions do not apply to the relative effects of heat de old, for we thall find that in the & course of over inquiries that the persation of the diseases of Cold may be induced by when the mermy is at so and 72, and that are are certain relative flates of the Lysters in which the air 1 45° and 50° acts upon it with the upnal to orders of positive heat in a healthy state. I spoke of the french here the effects of artificial heat. I spoke of them formerly with in banking upon animal heat.

command your closest attention, inas: -much as nearly all pebrile diseases are derived from its no peruliar qualities, le there is scarcely any other discuse thatis not influenced more or less by them. The air indues some Discases in its simple in its simple for the gradities, There are hard frate. II by its indisible gralities. in its simple ftale. Cold, Proisture, Drynep,
These are Ixeat, Cold, Proisture, Drynep, Ravity and Density of each of them, when the be swordly of their relative effects V find the positive effects of heart. The human body is formed to exist in various Degrees

: Ding to Tombit The mornites + The furing point Vinay be to some apolhere, what 100: may les to Others, and what 62, and your docher has are the human body in widdle life. In speaking of the effects of heat therefore, you will resollat always that I mean her air Keate Cloud 80: -

of temperature of the air, yet there certain charus of it which are most favourable to healthy and life. Thise degrees are different in different pariods of life. Inone 620 to and most taboois are most agreeable & lalutary in emiddle life. after the sof 45: or so year of life, higher degrees of heat there is the same want of the Atmosphere the healthy effects of heat upon other anxionals ! The - The above these grades white are freezing print, a may be to some of themato agreeable, it of new not take pains to agreeable, it of new air heat to a certain prone in this place, that hat produces the bully and agreeable fino ations by its stimulating qualities. Whenever the heat of the atmosphere excues those Degres which are organishe, it me prudues auriding to its grades - elevated existement,



debility from action, dispression - discuse, appression prostruction and death all these effects are inferenced as I shall say presently les habit. I shall now encution positive upon different parts of the body. I upon the arterial System it indues de-- prepion - excitatibility, and an applitude to be affected by all the causes which produce fever. Sir Robert Wilson says it the intense heat in Egypt brought on a great difficulty of breathing and hamorrhages from the lungo in the loldiers of the British anny cases was 1160 to the degrees which are Stimulating beyond what is agreeable, products inducing in them a merbid inducing in them a merbid hums. Singibility and you by the lighest imprepions. here the Juguerry of Syncope & hysteria in

V affer It lihervise produces an indisposition to all bohuntary motion. of Dr Pinkard takes notice of a singular heat forte to history die propund by the from of the west Indies with respect to Slugs. He says to Drowsiness even follows it in the morning, here to awake and to rise are one thing in that part of the world. + The morbid affections this indues by a Stoke of the fun are phimitis, mania-Vutigo, apoplery - paly & head cech - auxing to the fire of the fun or the medispositions of the patient.

warm lasons deventries. 3 It enceases the initalists of the annocles, thereby predisposing them to teturnes and Other Convelsive Discussor. V 4 It appects the brain with Hupings in wight. It sometimes worderly prostrates The System by means of what's talled to Insolation, or aftroke of the fire. This effect of Theatis confined chiefly to Climates alternatity hot and cold. In England in the year vioy enany people and even houses and oxen perished in the field from that Discuse. In China 11,000 pessous were Destroyed by it between the 14th and 25th of Ruly & in the year 1743. Francelless Esta us that it is unknowning from the in africa from Moving to the Uniformity of the heat is unknown of

V67The Senses are affected in a perulian manner by the Histories thefanction first energues the line of linel by the moisture it indues on of torocto. It Dispuses to op thishuria, quette theokin it after a while dulls it in part of these diseases in Egypt. In Robert wilson says it produced false vision in the lowing in the British army inthat Country. they imagined they saw Carnels horses, and other animals moving before them It do weahers the Senses of taste and herell, probably by dipipating, or alt. - 2 my the ble gratity of the flieds with were the tongere I the enembrane of the nose. It is to receivedy the weatheress of the Jense of built that brices are so weach resorted to in diet by the inhabitants of hot Countries. It appeals the sense of heaving. a Freezeman in this city lost his car for arrusis, and

5 Heat appets the mind at first with en Smightlimp. This is tahun notice of by Dr Pinhard in his notes upon Barbadoso. It afternands produces institutes iruscibility, the and a disposition to madness, and finally and weakings of intellect and of mental exertion. Language in every kind of mental exertion. very If That acts upon the Liver producing an energe in the Secretion and exerction of Bile. This has Often burn remarked by Butchers in the Cattle they kill in thefun. = mer moistes. The librorise everesses the animony of the bill hence it some 2 - times & imitates the restrem in passings Out of the bowels. The most Distating thomic discuses of warms Climates arise from Disposes to Inflammation, & obstructions of the liver.

his touch for a musical Cord by a ftroke of the Sur. 9 That at my M The same bubos of Carbuneles Do not attend the gellow furer in the hest provis only buanse that discore affects Emigrano a ancericans in whom the fluids from habit have a certifictal determination. That indues what are called peoples. These, the suddenly indued often last for life.

& Upon the formuch & outs firstly inducing arrowing to De Clark an exceptive appetite, and afterwards a wealiness of it more experially for animal food. In the bowels it proper disposes to Colera, and - whoe & Dystentery . + I that acts in various ways upon the By impartito to blood a centrifu - gal direction it disposes to suptions - cles which cems in the plague & down to the epere and prichly heat which app. occur in sichly Leasons in the west Indies. It often covers the bases of Children with little be boils in humanin the middle flates of america. It produces copions Discharges from of Iwent. These

V The grantity of pesspiration Discharged in warm climates is quater than in Coll. sugarismos Asissis Women cease to evensturate from this cause in hot, teren. ties sooner than in Cold Countries. Itis from this copions Determination of the watery part of the blood this the Skin, that the Usine see un Deposits a sediment, or is overeased in its quantity in the is taken hotice of De Willary. It has the Heat beforesthistin of the cresuse of propintion by means of heat, there is always a diminution of the Sceretion of Unine this is obvious in somethouse the famility with which has

Discharges are sometimes cold in the East horis. In some Cases it fragrues an uncommon Drypus upon the Their. This effect of heat generally ushers when when the Hypotitis of that Country. This Day this occurs in hot weather in our Country, it is & generally bollowed by Sich of by to labour, and lickness of some kind.
The prespiration and breats discharged in burner are of a saline & acrid nature. The former may be tusted upon the backs of the hands, and itis from the armony arguered by the propriation by means of heat, that catarrho contracted which we indued by the proprienties thrown upor the

e

V Even the Usine in hote weather contracts a preternatural acrimony, so as to induce an alumning scalling when it is discharged. low Taylor Enly 1811. - Levely by perspirations that filler dro = chois are induced by a Judden enerces of heat than of Cold. It is from the greater perperation which takes plan in warm than we con ties, that gout oftone are less common the in the fromerthan in the latter.

hings are so much more Distriping, and dungerous than Catambo contracto from the same Course in Winter . Itis Involuble limits was oftens in Promen than in winter from Obstruted prospiration, in Consequence of the greater arrang of that Discharge warms whenthrown upon the bonds. The bonds, white from the Spire, and discharges the white from the Spire, and dies imparts to it a dent on browns on dash Color. This town on On to Color is during from the last of the Senor. The fairer of the thin, the less dis = = posed persons are to have it changed by the Sun. Perhaps light, formild be con-- 2id ored as the course of this berown, on Dark Color than heat. It is certain the heat of a fire has no such effect,

V For a particular account of the operation of all those courses in good using not only the boards Color of the lover, but all the journium: - ties in the Structure of their books of the familias of the mind, I refer you gentlemento Dr Smith; inquiry into the Variety of the Color & figure in the human speries, and to a I mall tract upon the same helyest by I billiamson of ven york, in which the Driggin of the burnan raw from a dingle pair is proved, and all the welges objections to it by infidel writers repeted in the most satisfactory and Scientific manner. Those publications do homos to the intellisteral as well as to the moral Character of our Country. While heat disposes the Skinto afonnie a bluch lolor - errore time, on a I neep ion of generations disposes it to seasonne its Jubin white of flish Color This is known

for Smithes belooks have as fair thing as Other people. The Color of the Bluchs has been as wished to the rays of the Sun. It is certainly come of its causes, but Diet, parale or barbarons late of Society Discusses, and a peroliser State of Society anust consum to produce it. There is aro perceptible difference between the Color of White and black Children in The West Indies Until eight clays after bisth, except in the Serotium & glans Color Feat total 10 Heat, invigorales the Venereal appetite. here the early marriages of funales, and the late fruitfulness among males in hot Climates. Court Struenoce says this his life for treason against the present

V This has lately been proved by Desiander bying in Lospital at gottingen & the Di says 11 became pregnant in James Turn this are wer see the 17 in Tub: humered for putites 30 in march ly in april 28 in may took place the in the young 22 in June 25 in Enly und humaner mouths, than 16 in angust in the Winters Auturn in g in octal? the cases of loncestion were most emmesous gin an gin Dum in march & evay.

Thing of Denmark Days in his Confipious that for had formed a design to dettle in the trest mises that he might enjoy ina higher degree this animal grati-- fication. The effects of heat upon there-- neseal appetite in middle latitudes in appears in the quater number of births Which occur in the Wister whing place in and in consumum of Conception taking place in the year of the year of the year of the year of the vernal months. De Boeshawe supposes from these facts That languity is connected with cots loca-- this, but if more presons have hired to in Other Seasons vitas mounts of mounts of to the greater murber of brists in that Jerour, thur in any Other Inguilding

to say It is a common thing the cord water acts as a Selative in these lases. But this is incorrect language. The Cold water has no action. It is a noventity - a nothing. The diminution of heat, and of the frequency of the pulse, are the effects of the abstraction of heat from the body. which is freheat is an entity - it is a formething, it is tratter, and it is a tourse aftensulus. as well enight we say that was hoppon from till you that I had boristed durkness where the Juguenry of the pulse & Strokes in a sicinette, would you believe me? - ens you could not, the pulse is where only by the absure of the Stimber of light - for dushness is a nowetiles I a nothing light is an entity - a familiar - it is matter it is grant from grown your thinial afternation. Last prosent of the contract of th andyris of Cold and Jack 403 and los Jan accounting for the pain inflaming their absence of heat among their cation produced por menhanced among other larger as It. among other causes of their the theory of the Chemists is ofthat the extreme extreme cold abstracted west so

copionally & formally as to Alestrat heat from the last party Deprings of it the effects of fire upon the from parts. I this theory I will Huta comprime party in Afficient in topis on will will of hills the parts to which it apphies The effects of this death on those parts in the form of Servin of heat in like manner kith blisters. Latel in exception like manner kith blisters. Latel in exception of like manner kith form of by the topper or distributed, and hence followed by the topper or distribute is applied, and hence the redness, his wolor and blisters which follows the fee the same thing from the death of parts of the body from all other causes. There is a Unity in their operation. For see it in Inalignand fivers - the bles poterhia blisters, upon the Spin are the effects of the Dubber on quartification of the Shin. We see it im a comme to the spirate of the spirate of the spirate by beather on the Critis by the Spanish His - hence by the Sinteraises.

Dister is and strong end to kill the Cutiele. It occurs likewise after the blister hasbeen Dreped two or three times. It is inflower. and it is anufrary to the never at of the auticle. Mustard plasters seldom blistes because they are too painful to be borne long eno to kill the parts to which they are applied.



w. It the total representation for in parting V & have only to add to this part of our - Julijut, that the medium heat of a Country may be known by the temperature of the water under ground. Thus in Lat: 40 it is 52, and invie or less in rifferent whiteles, and litrotions. MI shall first mention the liseuwstences which Cap in this howshid effects upon, the Cody, and afternands buch as enercase them.

to the influence of the Vimalfun in Jornating his Species, mandrisks for a while to a level with the lowest part of the animal Creation. Fish ful its influence more than any Other aminutes.

positive positive of head I shall only and that it lepers the density of the Solids of the? body, hence a Enrypean when weighed under equal circumstances of height& bulk with a Chinese or altindop is always considerably heavier. hunthe bones of a pressur who has lived , I died in a warm Chinate are sperifically lighter than the bones of a person who has lived and died in a Cold Country. V Left us next inquire into the Relative effects of both with the of 1748 in germany was hot, - & housethery British army was new healthy the Coolness of the right, was and flussing in wet clouths after the buttle of Dettingen for Duch fishness fever art west different to apume a continual from in dry to apume a continual from in dry to the absence of I wring exceptions but it is I believe only whenthe rain alone does not constitute a dry Summer, for there may be great Invisture in the hir from wordt Winds, & the Dispose to Sichness Strough in a less digne than rain thite I thus consider the morting effects as obvioted by a dayting

Trumerous Wiffrefsing as the discusses are which have been enumerated, as they are from positive heat, they are very which lisne to juhen that heat is uniform The most healthy Summers I have known ity was that in which a Dry and equable heat less privailed during the Twhole of that Jerson of the year. The furniture of the year 1766 says a writer in the Landactions of the Royal Society, and yet days the posser to writer, the city was unconservely healthy, and all our hospitals were nearly empty! " The morting offerts of positions, heat are much time and habit. These produce at last one or great degree of inscribility evet only to itself, but ever

I must add that an air totally dwind of moisture is a scarely fit for respiration. Truvellers this the diserts of hubite and arabia are obliged to inhale a little borois: - ture from assource in order to relieve a difficulty of builting induced by the se - treme Drynep of the lies. The heat of a Close Itome room modules the same effect, and it is only to be removed by mounding The evaporation of water by placing it in a about or a plate upon thestone. There in is perhaps no but thing as his perfectly Day in any part of the world. In There in his travels into Lysin Jays he found falt of Tartan to diluguese in the hottest de Doyest posts of the Countries he visited - The It has been remarked that the diseases whenthey our in warm Day weather are les violent & malignant than those which occur in hot "I wet weather : Dollarh & wys they are o

X The winds from the boutte & S: west are Jonetimes to moist that Joos Shut, and your with difficulty driving this prevalence. This for invistme of thise winds is to well established, that we there is a liber built in Philad a who can litt in his work shops when They privail from his tools losing their polish. While I thus consider the morbid effects of nest as obviated by a dry dis V

V is greatest when the heat has been, not only protracted, but very interese. acerbi tells us, that in browelling through Swedish Finland he Often saw pessous comes wildenly out of a Vayson bath heated to marly 200: in the open air when the growing the menung was below O, without beiling the least incommime from the Cold. The Rupium after being exposed to their Vapor baths soll theresches in from insurbiatety after. - words with the same exemption from chiscase. - Baron Hourbolt informing me It is worthy of contin that life body Juffen anich left in paping from axtrume heat to lotte than from extreme told to heat , all other circumstatures being eghal) that the ever (300 in number) who works in a mine near mexico 1900 feet

to Cold . Here we for observe the west Indians bear our winters for one or two years, better than our tratives. It is commonly said They require there winters to cool them ly after being exposed for many years to a Werter Shire This insmitted to before the towning of heat to mor we discuses provide they come from a Dry & healthy lown - by. They art by carrying of the heated air from the body, and which by Stagning - hon Coccours impregnated with the pensinsulion. Lailors in long Voyages in hot latitudes in a Calm, Restroys the bicome lishly in a Calm, Restroys the bicome lishly in a Calm, Restroys the bicome lishly in a Calm, brotably nobably in this case undergoes a Duringoon: - tion, and thris bearnes aformes of disease as well as by retrining the perspiration.

generally with Binnhesas, Coleras Colies a hepatitis of a milo nature. D'Hillary says the fires of Barbadoes are always inflamin on hot Dry Season. D'Dalselle says the Jame thing of the fevers of It Donningo. The yellow fiver of Philad a in 1793 was more ob: = viously inflam: Itam nay most of the fever which have ourewood it from its being ac: - companied with I with wiferen hotel Dry weather . return to p - = 14 - below the Surface of the cartte in which the heat of the air is from los to 202: come unt of the mine in the waring Up afaither night in an air in which the menny Shutrates be tween 40 050, without taking cold, on being supplies anthy affected by it. Formathere facts it is plain the body suffers enucle Cep in puping from extreme heat to (we) . than from catherne Coo to heat, all Other assumptantes being equal. \_

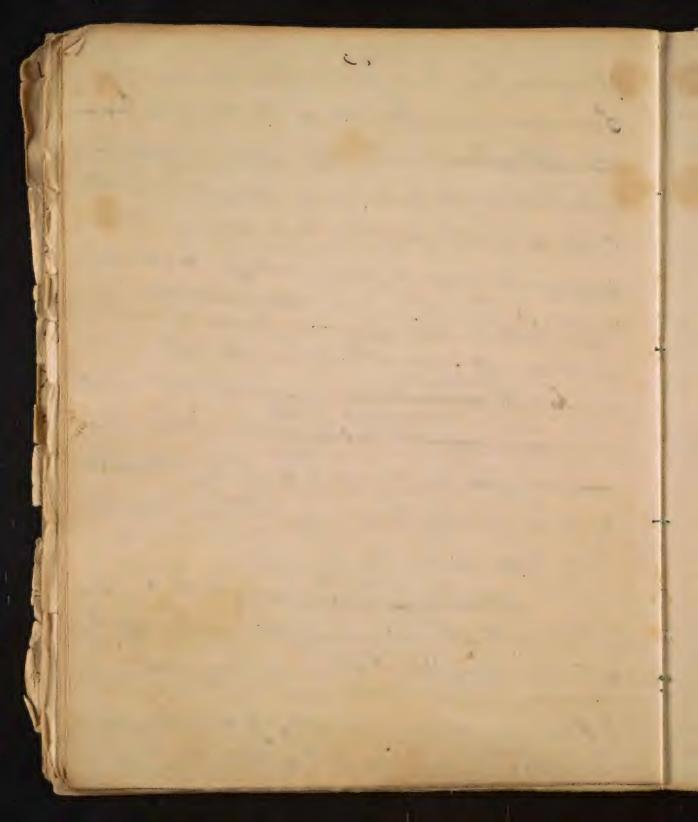
4 Costs motion lepens the morbid effects of heat. This is taken white of by his Robert Wilson. It acts by promoting Jungiisation, for the crapsonstring of which from the body, there is some Dinsioner - honof treat. 5 That State of the body which I called Stricture and which bollines the lop of the different pubispositions to Disuse from the expenditure of existability obvi-= ates in a certain degree the morbid quantage of heat. hence the soldiers of visiting a warm thinsate to many Chronic Discuss Disviders, of men in Chronic debility. The heat here restores the excitability, or senders its absence

relative effects of brent as influenced by time dhabit appreurs in its existing livisible in the fingers when they are thrust into known water, and impairing the ferse of & touch when it acts for a long time upon the body. It is from the fabition of heat that the Creoles escape the gellow fover of the west bridge which proves to fatat to languages & americans. setum to p: 19.3. This The assissed the litimus of arrient home, and the migrated to naples, and the wealthy inhabitants of Portugal Often vingrate to the Brusis for this purpose in the evening of life.

less thurtful to health de dife. It is from This cause that muple in the decline of life, duffer less thun middle aged people in warin weather & in hot Chinsatts. Indied benep health & longerity are often Obtained by attes of persons migreting from a calo, or even a temperate cli-- mate to one that is uniformly warm after they have mapor the arms of life. 6 abstinence, or a Diet consisting wholly of vegetables with no Other Dainh than work water lepens the effects of heat upon the body. The Bramins we are told in India under the brussing fund hobia, Belways have cool hands. beliebe the wilson wounded The trations of the tretting

& Heatetasto occurring too the it is apo - phis to the whole, on a part of the body. It is most apt to in produce discesse in the latter larry. I one saw a brident unscular Rhournations sindruit in a her back to the fire, and I attend in Dieen 21. 1808 attending a livan in Thompstysio brought on by sitting deworking all day with his back to a hot the. Down Cantions against litting Constantly with easily conceine it may Dispose to pulsy on Other Discuses.

Chinates by triing chiefly upon the Sportanenes fruits of the earth. Even the ait of in his Robert Wilson muncho that the British foldiers in Egypt hore the heat of that Country best when they abstrined largest from cating, on partoch Isaningly of abinent. This mastin by Upping Himshes, leprad the Cause of heat. I Heat acts differently upon the different runks and profesions of men. The wealthy are not obliged to work it, and who who who can affer a feller pears it, and who and propels the means of mitigating it by Trep, cooling liquors, and thate suffer Later met inquire into the circum ant little from it. - stances which encesse the mostid effects They are of heat upon the body. -Tyo of heat on the 17th of march 1791



Votere you see lot energing quatheat to produce greated morbid effects than great heat drestoing Cold Is of this there are many proofs in the revods of welicine. Dypenham says the Sooner the winter sets in, and of Consse the more protracted the Cold, the more malignant were the four separticularly the hor all port of the winter of the hunding Spring. It has been = 1,25

produce universal debility to & Depression in the Citizens of Philip of ship. The same degrees of heat would have grateful and gently stimulating in the months of July and angust Premovies, Enginas ARhumatis en selven fail to Jellewith even moderate heat when it has been Journey of herethe frequency of those Viscassin the Spring and in open winters. The old Jasing that a green Christmas, that is a Chrismus in whichthe ground is covered with Verdure, makes in the spring a fat Church yard is Certainly well foren. = ded. I have several times observed it in this lits. The morbid effects of heat will always be proportioned to the intensity of Cold. If it has continued to the intensity of

+ where it does not produce anostification, it exectes great pain. This has Often been observed in Children who wash apply their hunds to the fire immediately after coming out of the coading & Pringle has runasho that the fewers by the former caugh are of a testian but from the Catter - he easys they are the top to the part to mist weather. He advistant that forms are most apt to constitution. quotidens or double testians. Dollars. Days the latter are of agnore violent nature. V3 Went is mor revocas enous delititating when it is applied to the body worten in the form of wind. This wind which is called Lyrocco is very common at alippo, to, 1120 by paping over immense beds of Sand. 11. By done describes the effects of it at naples, and Speaks with great pity & contingt of an officiente Stalian marquis whom he met in a enorsing walk I upporting himself the both for the propure of this air by a smilling both.

teen Observed that the finers which succeed the Cold winters in huden & Ruspia are generally from the long prostration by the Cold Evses its to open inflummatary oxilement. The effects of the modern application to heat to a from himb have often been hoticed. It destroys the life in the past Dinduces mortification in the part affected to 2 moisture combined with heat encuases its morling effects upon the Body. It does this, in three ways. I By presenting the escape of heat from the body. In hordyce frund the heat of the Ingar house in which he made his experiments, to be greatest when it was combined with misline ? By generating Cold when this was time is applied to the large. a wet Swelvet, or great lout; and even a best pair of the Diamhea. Slockings Dr Dewar very often brought on sensel Confelaints in the Toldiers of the British army in Egypt in 1801 by the Cold produced by its eraporation. It was ermanhable the Emale Digress of Cold this produced, more certainly induced Diantes than a greater degree of it; probably from the System not reacting in the former case . 3 By retaining the putrid exhalutions that produce Junes longer in the attimes where, and thereby caposing the body to a greater greatity of of their. Form from the 1422 Consister generally of a testian type, assort and from the 3rd carse of a consting tration quotidian, on trobbe took type awriting to Sir In Prince . The last environes are enous violent, than the forms from simple moisture.

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It The morbid effects of heat are energed by tring accompanied with a by air This is wother of Sydenham, Hillary, & latterly by Down Inine in his assuret of the discases of Sixilly. The discuss in this produced by this Union of quet heath a hot I dry air are ahours inflormanctory. This was very stickingly illustrated in the yellow burge of 1793 in this city former in hot and the burger of a conting of a conting the western his formalle says are generally of a conting of is windined with moisture, and miasanata from exhalation.

Theatis rendered more certainly asente An societing Course of Disease from its acting upon bodies previously impreg = = nated with puting thelety miagnata from putafying begetable & animal matters. There it is most hurtfulin Othe Butermenal mouths . I quat Heats The morbid effects of heat are "enceased by its being alternated with quat cold. Such is the influence of habit that the long continued action of heat upon the body defends it from many of the Discures which are produced by its early I transient application, But when it is on the winter, or lestroyed, and every Summer brings with it a. new or fush Stimulus to the body. This

V The absence of wind disposes heat to be more productive of discase. Hippocrates mentions the Leason which is Time aura" as a Dickly One. Calmo at fea when of long trutions of line formerly modure Sichness in hot weather. This was runarhed in the first thips that engaged in the East India trade from England in the year 1603, particularly 201 a Vefort Commanded by a Capt: Laneastin I It has since been taken notice of by Delank in his treatise upon the Diseases of East India Voyages. I have mer heard of but one exception to this semank. without here Baun It, our bolt informed me that in an extensive Country inhabited by sweetel tribes of Indiano at the head waters of the Ormique & bluck rivers in foreth america, ero less had wer here seen to be enoughly a bush of Wind. The Intians have not in this language a word to exposely wind, and yet they

explains the reason why the west since the ob lettlers in the west Inties except the rellow fiver i and why the cratines of the middle States in which the extremes July ut to with of heat old prevail, are affected with it every year. V The morting effects of heat are beltin a pendius manner by wery old, prople & by young Children. I have best of our Summer to prove fatal to bed people. It is most to when the nights are musually warms the pudis provition of Children to be affected by greatheat the first dufferers from its simple or compound thate first dufferers from it in the humaner worths in the smiddle flates of america. all the effects of heat upon the

are not more hishly than persons in equal tix umolarges [ the absence of times The same regues of heat are when the long in tem heat of the body is elevated by and its ordinary tem:
- preseture by disease than in ordinary health. The a beat at 80: will be more Distriction in his Epidemicho Vand De wintingham says that the and of long continuance is ever the surform

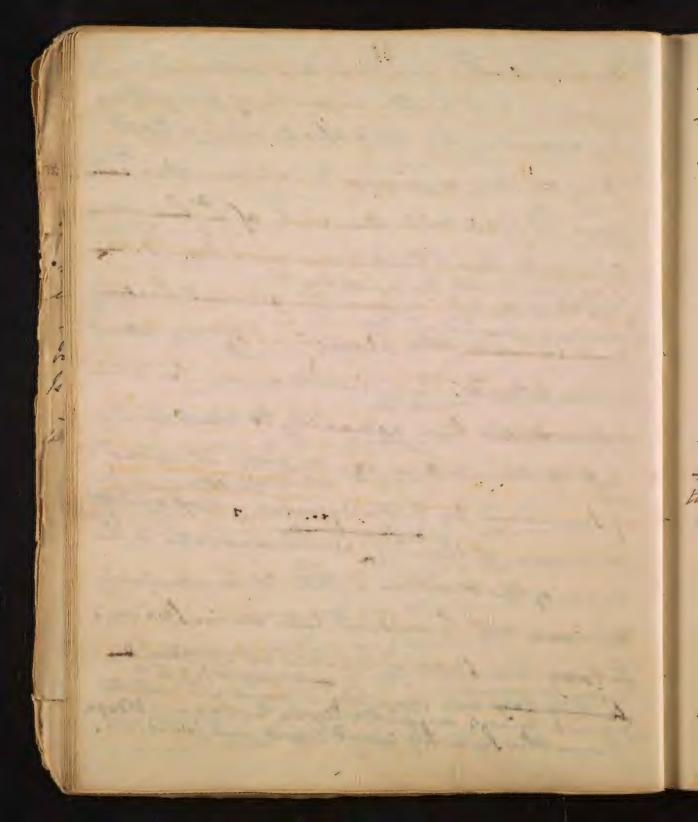
doe varied by their grades. The effects of moisture or Dryness where combined with heat are different missing to the tempe. rature of the lis. When the is course - desattly history the heat of the body, it Soldon does any harm. D'Huntersays the less teasons in Jamaica are not unhealthy where the inhabitants are not exposed to grant exhalations. a moist and temperate his has a pulliar effect upon the Shin. It imparts to it that brantiful whitear no which form what is called a fine Complexions. The fing Complexions of the inhabitants of Great Britain are derived chilply from the Invistrice de Involerate heats of those Countries. The Ruisto Dinsilly of the foir both produce Fiftheat told soulli aucropus and they menupe comb will heat told

V remark I that warm Chinates de lounties are not needs will unhealthy; on the contrary, that they are formore farourable to health and life than middle and temperate latitudes. This has been clearly proved by Jenesal Besthein Export to the french gruensment, of the builther
of the french army in Egypt during the
with respect to blath and life. In
Late Comparisons on that Country Am
sick to Dily to men is as I to 12 in peace tweer, In Egypt in the mouths of Octob Hnovem? they were as 1 to 28 and in vist and Teum as bue to 23. he herope he adds for ther the deaths in the wilitary husbilals evere as 1 to 43 in Octob & brovers. and no 1 to 37 in now and Deems of Ineto be the flate of Sichnief comos tality Emong Europeans, him much less may

Upon anoiseving the armnous worked effects uponthe human body, we are led to inquire why the Dust was by ration most become why a warm lountry was chosen place from at his traction in a laterson for the birth place, propulate lianing of the Chinale, and John human nation has faller garents of the hypnan race and whig human then are greated more has placed in warm then in wold Chinates. It was is beneath the enemating from of Egypt that the arts and Siences were first cultivated. The ingentionis greeks lived in a waren Country; and the searcher and a warm Eventry in which heat qualty predominated over Savoured through which the will of and know hope of the Supreme Being was Boursemicated to evans. It would for these facts, it is will be muspary to

natives of that hot Country? Let us wase then to wonden that a bot avern cli-- mutis was chowen for all the proposes that have been mentioned . They came se--plete with blepings from the hands of the Creator, and they become unhealthy only from the indolines, ignorance oprignties of man in purnitting filth to stagnate with bother in this cities and loveratry. places. Plagues, Depentiries and Opthalmics on saindly sent in order to privish the views which permits the existence vanor surving to a famish protectifying beenpied to ty by treft timen & dogs. of those diseases. hor is it in this in: - stance only that Hear en punis hes the want of Cleanlinespo lue see it in the Vernin , and in the instinctive abhonence which follow the want of cleanlines in dress and person, in all the civilized parts of the world, Letit

Wesen that monhind are endowed with reason, and made capable of profitting by experience, and that where both are render a propur directions, they was can obviate all the evils of when warm this this this was been sure in part by the hashing nations of africa and in general healthy, and it was done by a brigines of the liest was to war the aborigines of the liest India Islands. Sum in Emps can Countries where were hive agreeably to reason, they of Summer by Deit - Darishs - apparel the manner of thepping aurousend atto to the heat of the weather. This is remarkably the case ma Townsond tells us in Spain. La Dorog The Shats of monid at middling to a formation to a service or stone to a service only by Englishmen & Dogo. from the from by closed down and wind was.



Part of the Day is paper in Sleep. The inha. : bitants revive with the evening air, & open this down and windows to receive it, and forepart of the right is spent in Damestir on public Society. There may be other rensons why the first ventions warm Countries have been preferred by the author of Erature for the first nations En the world. They favour propulation by the facility with which hobsistenes is obthe dependent for the Dunestie Arrivals which administer to his wants beplusure, and here they approd more time for the Cultivation of the intellutual & moral fa--culties of his arind, and thereby afford him more enjoyment here, and prepare

Vand that in two ways No. of the last of The state of the s

him for quater happines hereafter. bel come now to ingerire into The morbid effects of Cold upon the hu-= man body. and here as in speaking of heat I shall frist mention its positive I then its relative effects. lold is a negative quality. It exists only from the absence on abstraction of heat. It acts upon the human body as a feder of prest. I the bout is by the abstraction of this weeks of the palmer of the palmer of which follows here, then, action upon the System. Labourence its action upon the winter heaven to the tweeth of troubless both hear witness to the treath of this remark: Forom the weatherfy, flowings and absence of Juelse which to use produced by it. The July of a Greenlander seldows beats wore than 40 Strokes in a minule, and the pulses of all propple are Hower

V 3 From the accumilation of existabi by which is indued by Cold when it is of a Judden or transient nuture. now fluorelants in know always expendentald or convert I into existement. Jake notice - I say = the polise of the body as it acts upon inaminate matter by contracting this bulk . This is probable the effect of the same Chase in both kinds of malter - viz: the abstraction of the anaturity heat. = Colo accumulates existable only when it is englent transient - when hong continued - as in Roupia & Jueden, the exerta: - bility is expuded, home the origin of the Low from of those Courtins in the fpring of the year.

the effects of low bring to how logous to the effects of certain embienes which are universally admitted to be redutives, vis, bluding, purges and low diet. I am aware that another Opinion has been depos enainthined warening the operation of Cold, and that is believed a After & Cullin Isome Othershopicions to. a Thermlant upon the body. Lota as just idens expour this Subject are of great application both in pathology & in the Inactice of playsic, I shall briefly ensure: = rate all the arguments that have been inged in favor of the Itimulating Jower of Cold, and endeavour to rejute them I It has been said that when we are much

Later to have to have - 11/2 10 - 10 to la garine - Consideration of the second The second second and the second seco there of the state of the said year of the at a lety, police in 1 -- en the last of the same As - Veget Head in his wife and - South me a special secretary of the facility of the - and will tolk any ments the har harand the second second second second is any any and the line is the whole will be a second

debilitates by heat in hummer, a sudden Unange of the air to a Cooler trusperature can removes that debility. Down The cool air is said in this case quality to stimulate and there to impart thought to the leady to The body. To worker this fact agreeably to the principle I am defending, it will bene = expany to mollet that effects of great Dignes of heat was to produce depression. 22.

Suppose healthous pressunt designous

exist bestowen produced by 75: 6580:

to be at by havenheits Scale, - then let hoppon The heat to be eneressed to 90, or above it, depression will immediately take place. In this State of the Lystern if look his he applied to the body sufficient to abstract ten or fifteen ougues of heat, the body will immediately return to its healthy grade of

a tendency to a Johnton of loutismints from 3 Causes. 1 Distention, 2 Contraction of preforme chemical Stimuli. now the pain from Cold is the effect of one ofthe fellowing barrows ches or more por pulajes of all the following causes. I =

caritiment, in consequence of which the despression will be removed, and the body ful a sensation which has been ascribed to a Stimulating power in the Cold. I wish you to attend to this explanation of the support Himmeleting which has given of this fact, for it is a key that unlocks many of the areana of Discuss, und releiner ers franzanary of the inors of DeBrown's practice in action Discuss. - It is thus by abstracting the Stirmelus of blood - bile - water - and indigestible the big induced by there were debility & dipression. in Jenes - and Drogssies , and impart artisty and Strength to the System. 2 The pain which induid by Coldinalis pain depends upon los to the

V form low may be induced by the incontenity in I They bre a come directed power this desargment in the actions of the joint of the form both of the pains of the feats of pains out the death of pains out the death of pains out the abstraction of blood, and light, the appropriate of blood, and light, the appropriate of provides and light, the appropriate of the abstraction of blood, and light, the appropriate of the abstraction of blood, and light, the appropriate of the abstraction of blood, and light, the appropriate of the abstraction of blood, and light, the appropriate of the abstraction of the appropriate of the abstraction of the appropriate of the abstraction of the appropriate of the approp ind use Is ain in the same indirect manner. They leave the bupels in the flate of a Ship when the wind which impels it soid der = by dies away. The This solls form the lop of its tione, or the Equilibrium /4 given to it by the impeters of the wind, and thus produces new arrangements in its large. Inegular tetion in many blood vefuls the with the same interior the stoud. - den abstraction of Such a portion of Chimelus as to Destroy its tone. Bloodletting from the insular and irregular actions it sometimes induces according to the flate of the disease salled a Stimulus as Lold: - Infragrante

first to closer Timen of the folioparts of the body by the abstraction of this heat, in Consequence of which the very are unduly prepid to as to emit pain, I am aware that I formerly supported prepure to be one of the causes of animal heat. Wheyen then is not heat emilted by the forespure or Contraction of the Innocles, as well as pain? & consumer the same cause anowing to its degre of fore, often produces opposite & loutrary effects. Thus a emporate thream of his inflamething while bellows upon a fine fourth of his inflamething while a violent them of his extinguishes them. or 2 rapid flore of heat which always tends to an equilibrium) to the cold part of the body as to indense the Sensations in questions the certain best & Cold 4 in their extremes often produce the not only the same Sensation, but the same anorbid effects thisters by touching from quicksilver a brisoing paint influenmation are industing a the fingers similar to what is, when by touching a tree hot ison. He It is indust it is supposed as in the property lase by the super afflet of heat from every the point of the best to the bringers. On 3! Pains

perfect the onder infing of when the property forthe fold cause of pain from Cold, that the verite. ment of the part apported is reduced below The grade of health. The axilement in The blood refrels in a tryphus fines is below natural & healthy oxistement, to yet disease and pain the place in Thema We are to Distinguish between thindrick & primary effects of applications to the body and such as are indirect, W secondary. Eg: a purge is afternalant in its first operation, but it produces to alive effects by evacuating the Contents of the bowels. Thus low is beative in its first operation Its Himelating effects are secondary, and operation our dental. and sent in its first operation - our dental of the state in when it inducted the efficient of the secondary of The so notice here of the pain from low which needs the application of bust to the body this is widently the effect of

Mitted by cold and point. Sither of the above Causes is sufficient to amount for The pure which is my windly Cold, but it is profeble they all concur in a greates or life degree -3 It has been said that lold sometimes indues a rarefo pointed in the thing an apparent enlargement of the Shin, analogous to the same effects of heat upon it. This is oursioned by such a Denducto and relaxation of the cutameous repels from a partial Distriction of their cupacity of life all by the Cold, that the blood rishes into them, and their imparts to the Thin and Color. a similar Color tuhes place in enalignant fives & often from the same flate of the Capillary repels. That the explanation I have

= vefo josts priviously awared highly we table by the litative action of the 60. setum to 3-p 37.